

ABSTRACT

A system and method for removing distance related latency effects in acknowledged data transfer applications. The system comprises providing highly reliable redundant communication links between a primary storage site and a remote storage site. The system receives data from a storage consumer and transcribes the data to a storage device at the primary storage site. Copies of the data are placed on each of the redundant communication links for transmission to the remote storage site, and a data transfer acknowledgement is immediately generated for the storage consumer. The copies of data are reconciled at the remote storage site and the data is transcribed to a storage device. A transaction report is issued and transmitted to the primary storage site. In the rare event that there are any errors in the reconciled data at the remote storage site, the transaction report includes an error message, and subsequent error recovery procedures are undertaken.